



Quick Note 25

How to provision CDMA on a TransPort

Digi Technical Support

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1 VERSION

Version Number	Status
1.0	Published
1.1	Updated screenshots and instructions for new web interface, rebranding (Mar 2016)

2 SELECT THE CARRIER AND SERVICE TYPE

TransPorts need to be configured (or provisioned) for using a CDMA service before Internet access will be available. The following procedure is shown using a WR44 model, but the procedure is the same for all TransPorts.

TransPorts with "GOBI 2000" and "GOBI 3000" modem modules are setup initially for GSM connectivity. In order to work with 2G/3G CDMA services, the module must be setup for CDMA mode, using the GOBI wizard. Follow the steps below in this section.

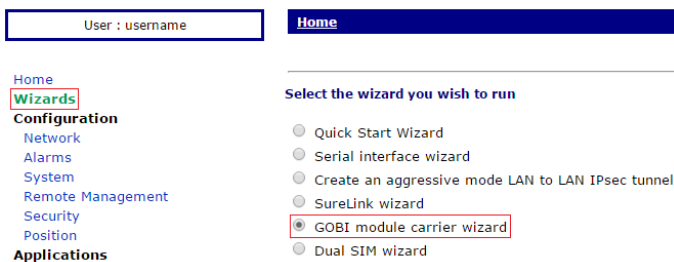
TransPorts with Telit DE910 modules do not need to run the GOBI wizard, as they are for use with the Sprint mobile provider only. Skip to section 3 to Provision these units.

NOTE: TransPorts with GOBI 2000 modules are P/N WRxx-**U5**xx, GOBI 3000 modules are WRxx-**U8**xx, and DE910 modules are WRxx-**C1**xx.

2.1 Run the GOBI wizard

Once logged into the TransPort web interface, click on the 'Wizards' link from the menu on the left.

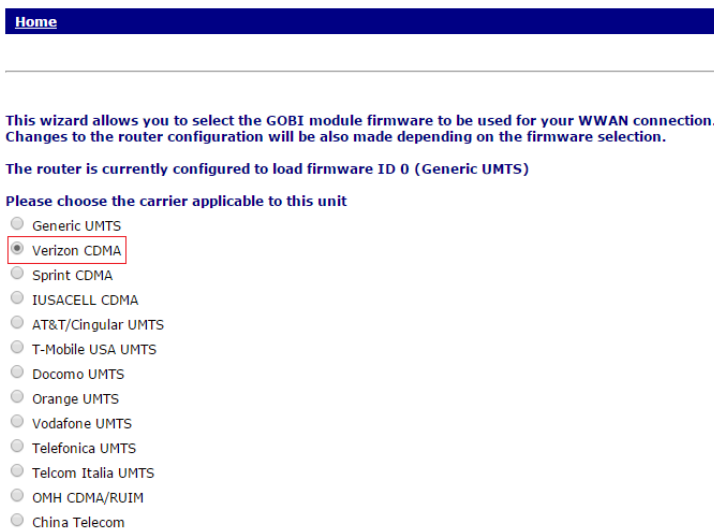
Select 'GOBI module carrier wizard' and click 'Next'.



2.2 Service selection

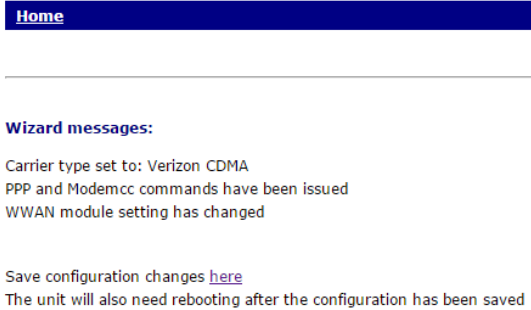
Select the mobile provider that the TransPort should be provisioned for, and then click 'Next'.

In this example, Verizon CDMA will be selected.



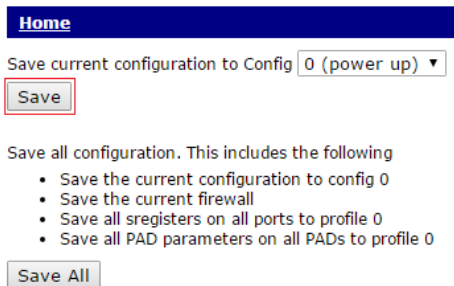
2.3 Confirmation

Initial setup is now complete. The Wizard messages are displayed to confirm the TransPort has been configured for the selected service.



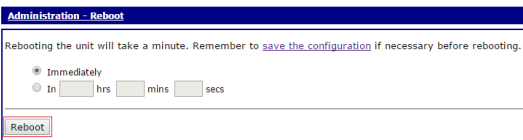
2.4 Save the configuration

Click the 'here' link in the screenshot just above, or navigate to **Administration - Save configuration**. Save the configuration to profile 0, the default power up config.



2.5 Reboot

Navigate to **Administration – Reboot** and click the 'Reboot' button.



3 PROVISION THE ROUTER TO USE THE SELECTED SERVICE

Prerequisite information regarding provisioning:

There are 2 methods of provisioning a TransPort - Automatic and Manual. **In the vast majority of cases, Automatic provisioning should be used.**

Do not attempt Manual provisioning unless instructed to by either the mobile provider or Digi Technical Support!

Once the ESN (serial number of the modem module) has been provided to the mobile provider and the account has been activated, the following information will be needed to provision the TransPort:

Automatic provisioning:

- Service Programming Code (MSL)
- Personal Telephone Number (PTN)
- MSID (IMSI_MS) (MIN/MSID)

Manual provisioning:

- Service Programming Code (MSL)
- Mobile Directory Number (MDN)
- MSID (IMSI_MS) (MIN/MSID)
- Personal Telephone Number (PTN)
- Station ID (SID)
- Mobile IP Profile number
- Network Access ID (NAI User Name)
- MIP Home Address (Mobile IP Home Address)
- Shared Secret (Password)
- Primary Home Agent Address (Primary HA)
- Secondary Home Agent Address (Secondary HA)
- Home Agent Shared Secret (HA-Shared Secret Password)
- AAA Shared Secret (AAA/Vision Password)

Provisioning should only be attempted if the device has a good signal (2 LEDs minimum). If not, move the TransPort to a location with a better signal. For TransPorts with 2 antenna connectors (Main & Aux), ensure that both antennas are connected.

Navigate to **Configuration – Network > Interfaces > Mobile > CDMA Provisioning**

Configuration - Network > Interfaces > Mobile

▼ **Mobile**

▼ **CDMA Provisioning**

Automatic Provisioning
If required, enter the MSL/PTN/MSID parameters before clicking Start

MSL:

PTN:

MSID:

Manual Provisioning

MSL:

SID:

MDN:

MIN/MSID:

Mobile IP settings

Mobile IP profile number:

Configuration - Network > Interfaces > Mobile

▼ **Mobile**

Network Access ID (NAI):

MIP Home Address:

Primary Home Agent:

Secondary Home Agent:

HA shared secret: (Hex strings must start 0x)

AAA shared secret: (Hex strings must start 0x)

HA SPI:

AAA SPI:

Enable Reverse tunneling:

Enter the information provided by the mobile provider, click 'Apply', then return to the same page and click 'Start'.

3.1 Save the configuration

Browse to **Administration - Save configuration**

Save the configuration to profile 0, the default power up config.

Home

Save current configuration to Config

Save all configuration. This includes the following

- Save the current configuration to config 0
- Save the current firewall
- Save all sregisters on all ports to profile 0
- Save all PAD parameters on all PADs to profile 0